Program Description/Textbook or Print Instructional Material

Vendor: Delmar Learning   Web Address: www.delmar.com

Title: Fundamentals of Modern Drafting

Author: Wallach   Copyright: 2003

ISBN: 1-4018-0946-4   Course/Content Area: Vocational and Career Education; Industrial
Technology; Computer Aided Drafting

Intended Grade or Level: 9-12   Readability Level: 12.0 Flesch Kincaid

List Price: 65.95   Lowest Wholesale Price: 49.00

All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.

Level of Accomodations (Level One, Two or Three)   Level Three

If Level Two or Three, please provide rationale for not meeting Level One Compliance   It is not financially feasible for our products to meet Level One at this time.

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content
- Coverage of descriptive geometry is also included, paving the way for readers who want to pursue further study of more advanced engineering design graphics principles and techniques.
- over 1,000 step-by-step, procedural illustrations explain basic drafting, design, and layout concepts and help to develop the user's ability to read 2D and 3D working drawings
- an entire chapter is devoted to discussion of CADD drawing systems, paving the way for readers to transition from manual drafting to the use of popular CADD applications

Student Experiences
- The author's skill-based, building-block approach uses freehand sketching, instrument drawing, and introductory CAD skills to introduce readers, in logical progression, to 100% of the drafting fundamentals they need to successfully prepare finished working drawings for production.
- Exercises in every chapter of this heavily illustrated yet cost-effective book progress from simple to complex propelling readers to new hands-on skills while promoting creativity.

Assessment
New from Delmar Learning, Fundamentals of Modern Drafting exposes readers to the world of contemporary drafting, offering a direct route to understanding and applying basic technical and engineering drawing concepts such as sketching and lettering guidelines, drafting conventions and formats,

multi-view, development, and pictorial drawing procedures, geometric tolerance practices, and more! In-depth discussion of the design process, use of current ASME 14.5M-1994 standards, and links from manual drafting exercises in the text to CADD exercises in the companion Workbook provide optimal preparation for today's workplace.

Organization

- an all-new chapter (Ch. 5, "Drafting Room Design Teams") delves into the creative process and features team-based exercises to prepare readers for today's workplace
- chapters 19-24 provide opportunities for readers to apply basic skills to specialty drafting areas, including welding, process piping, electronics, tool design, architecture, and more!

Resource Materials
Gratis Items To Be Provided And Under What Conditions
Instructor's Manual (1-4018-0958-8) Free 1 per teacher
Available Ancillary Materials

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

*NOTE: Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate **"not available"** in the space.*

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title: Fundamentals of Modern Drafting $49.00	
Publisher: Delmar Learning	
Item Evaluated: Text. Teacher's Resource Guide	
Copyright Date: 2003	**Evaluator:** Kay Turner
Content Level: 9-12	**Date of Evaluation** 7/30/03

Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance

This section completed by Exceptional Children Services

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
X Recommended by reviewers to State Textbook Commission
☐ Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title:Fundamentals of Modern Drafting	Publisher Delmar Learning

Technology Management Summary Data:	20 possible points	____0_____ points earned

Technology Management Comments:

Technology Presentation/Interface Summary Data:	40 possible points	_____0_____ points earned

Technology Presentation/Interface Comments:

Content Summary Data:	20 possible points	____20_____ points earned

Content Comments:

Instruction & Management Summary Data	52 possible points	_____45_____points earned

Instruction & Management Comments:

Organization & Structure Summary Data	36 possible points	____26_____ points earned

Organization & Structure Comments:

Resource Material Summary Data	40 possible points	____18_____points earned

Resource Material Comments:

Group V - Career /Technical & Vocational/Practical Living
Electronic Instructional Media Review Form
Stand Alone/Independent or Integrated Software for Technology Education

Equipment (circle or change fill color)
Windows
Macintosh
CD-ROM
DVD
Sound
Other

If other, explain
No software included

Grade Level (circle or change fill color)
Primary
Intermediate
Middle
High

Audience (circle or change fill color)
Individual
Small Group
Large Group

Format (circle or change fill color)
Stand Alone/Independent
Integrated
Supplemental
In lieu of basal test

Cost _____

_____single copy	_____site license
_____network version	_____school version
____lab pack of ___ copies	_____online

Type of Software: Check all that apply	_____Simulation	_____Management	_____Interdisciplinary	_____Problem Solving	____Tutorial
	_____Exploratory	_____Creativity	_____Drill and Practice	_____Critical Thinking	_____Utility	___x__Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	
Allows students to exit and resume at a later time.	
Keeps a students performance record, where needed.	
Allows control of various aspects of the software (e.g., turning sound off).	
Allows for printed reports.	
Comments:	**Total** **0**

Presentation/Interface	Rating
Presents material in an organized manner.	
Has consistent, easy-to-use, on-screen instructions.	
Has developmentally correct presentation format.	
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	
Accessible for special needs students.	
Runs smoothly, without long delays.	
Presents easy-to-view text and graphics.	
Presents easy-to-hear and understand sounds.	
Avoids unnecessary screens, sounds, and graphics.	
Provides immediate, appropriate feedback.	
Comments:	**Total** **0**

Content—Technology Education	Rating
Nature of Technology	4
Technology and Society	4
Design	4
Abilities for a Technological World	4
The Design World	4
Comments:	**Total** **20**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Technology Ideas	4
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	1
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	3
Includes activities and opportunities for integration of technology.	3
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	3
Differentiation techniques and activities suggested.	3
Comments:	**Total** **45**

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	3
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	3
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	1
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	3
Student materials seem durable and conducive to daily use.	3
Includes sufficient glossary, index and appendices.	3
Employs accurate grammar and spelling	3
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	3
Comments:	**Total** **26**

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	3
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	3
Extension activities including adaptations and accommodations for students with special needs.	3
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	3
Suggestions are made for integration of themes and /or interdisciplinary instruction.	3
Integration opportunities suggested and examples given.	2
Teacher resources are available online.	1
Online resources available – Repeat of information in text.	0
Online resources available – Practice skills only.	0
Online resources available – New application materials.	0
Comments: **No student workbook included**	**Total** **18**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable